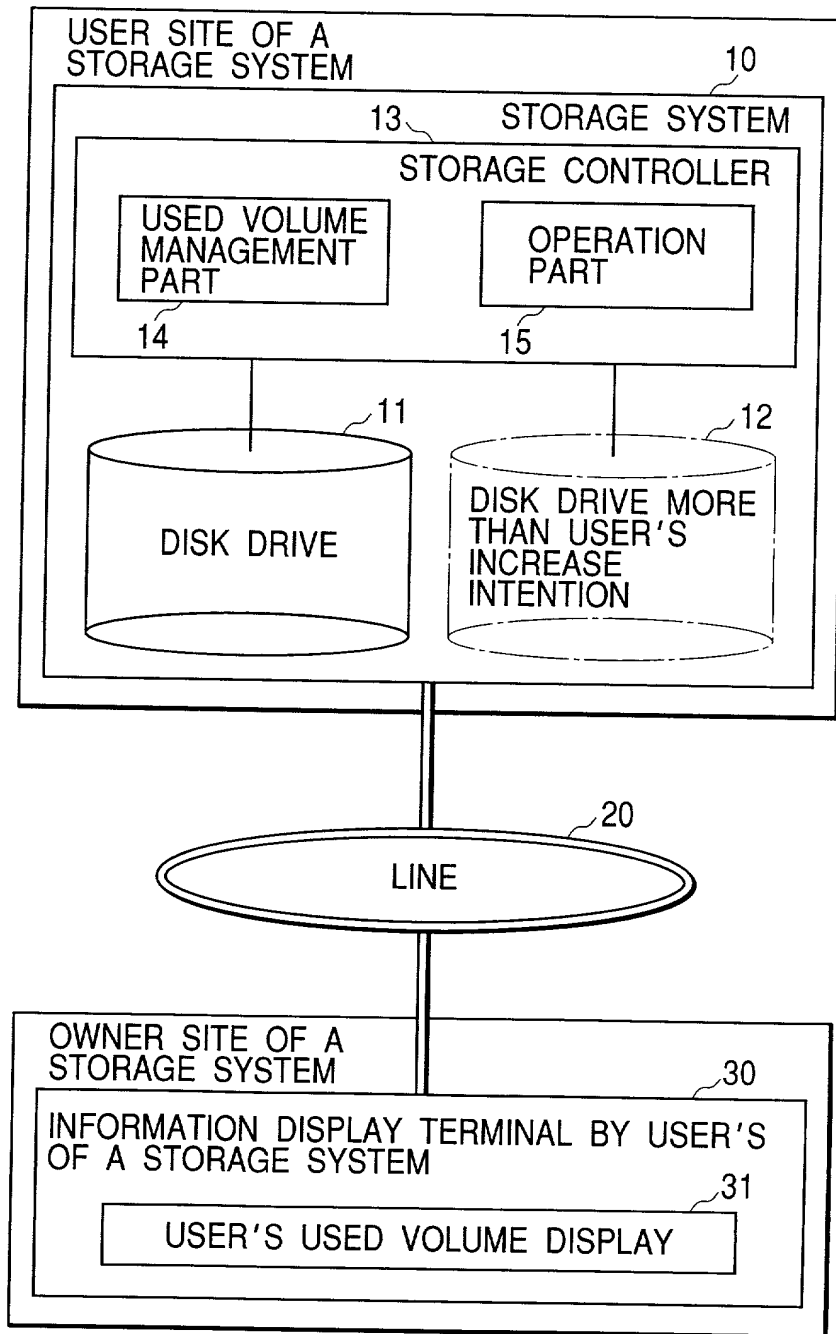


FIG. 1

CHARGING SYSTEM OVERVIEW OF A
STORAGE SYSTEM



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FIG. 2

MANAGEMENT TABLE OF A DISK CONTROL
UNIT OF A STORAGE SYSTEM

ON-DEMAND VOLUME	ON-DEMAND FLAG ATTRIBUTE (SET/RESET)	RESET TIME (DATE AND TIME)
xxGB	RESET	yymmddhhmmss
xxGB	RESET	yymmddhhmmss
xxGB	SET	
xxGB	SET	
⋮	⋮	⋮
xxGB	SET	

FIG. 3

INFORMATION FLOW OF A STORAGE
SYSTEM AND AN INFORMATION
DISPLAY TERMINAL
AT RESET OF AN ON-DEMAND FLAG

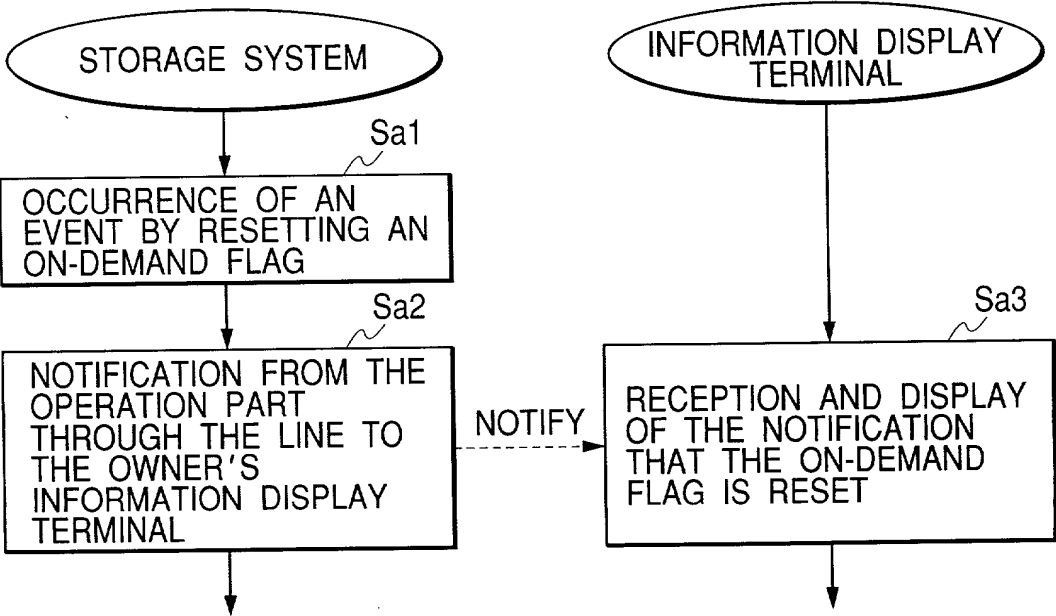
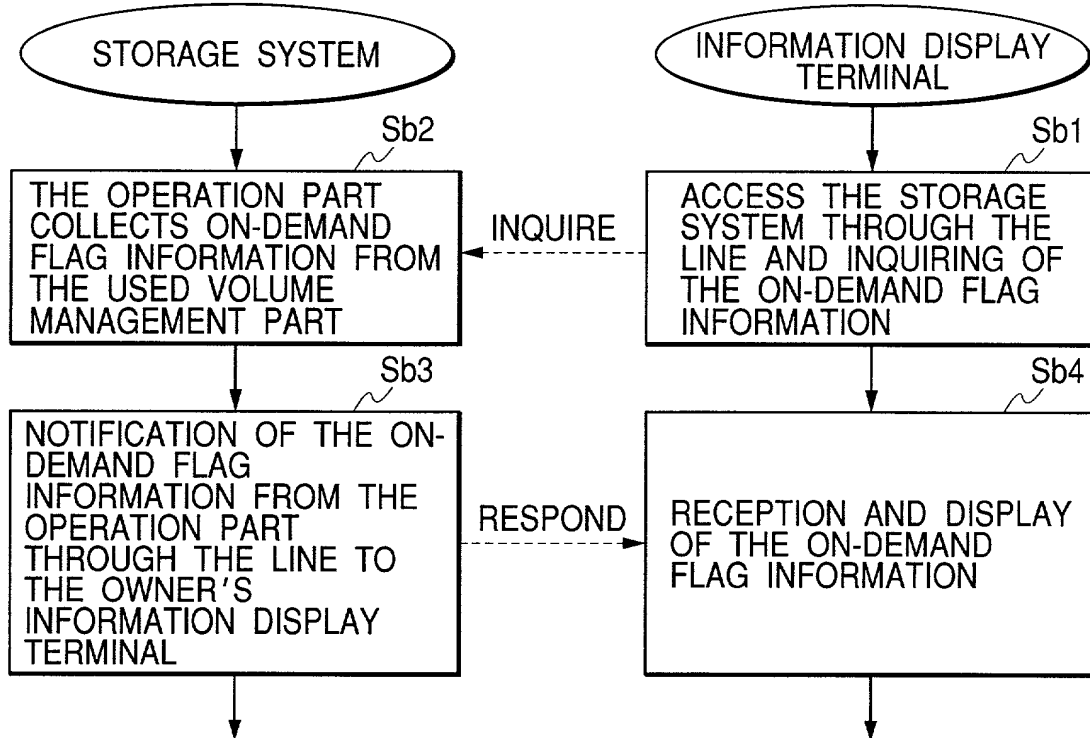


FIG. 4

INFORMATION FLOW OF A STORAGE
SYSTEM AND AN INFORMATION
DISPLAY TERMINAL
AT CONFIRMATION (INQUIRING) OF
INFORMATION

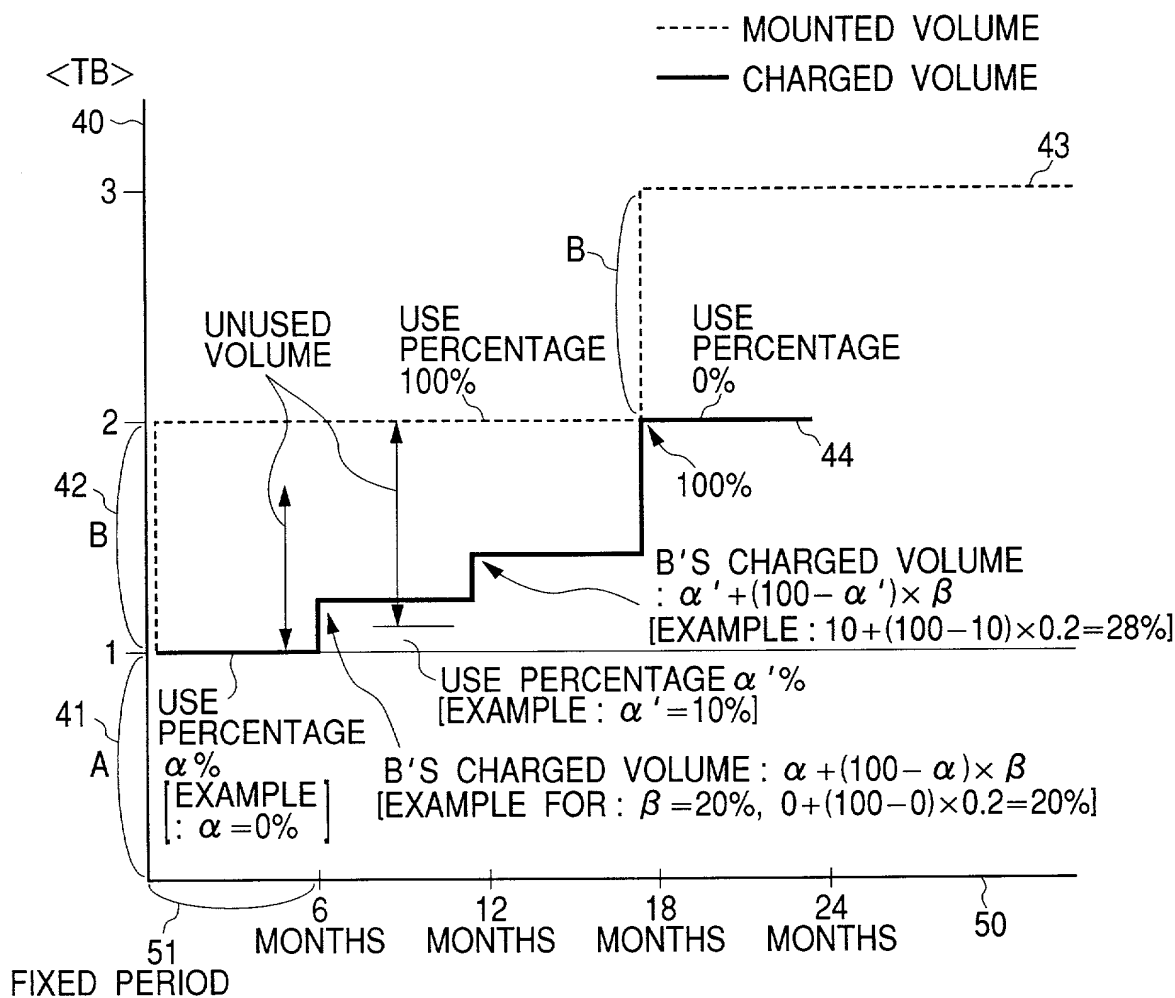
**FIG. 5**

EXAMPLE OF AN INFORMATION MANAGEMENT TABLE BY
USER'S OF A STORAGE SYSTEM

	USER A	USER B	USER C
USER ID	xxxxxxx	xxxxxxx	xxxxxxx
USED VOLUME	xxGB	xxGB	xxGB
ADDED VOLUME	xxGB	xxGB	xxGB
USE PERIOD	x YEAR/x MONTH/x DAY TO x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY TO x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY TO x YEAR/x MONTH/x DAY
USE STARTING DATE	x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY
ALLOCATED VOLUME	VOL. 1, VOL. 2	VOL. 3, VOL. 4	VOL. 5, VOL. 6
USE UNIT COST	x¥/MONTH	x¥/MONTH	x¥/MONTH

FIG. 6

CHARGED VOLUME TRANSITION DIAGRAM TO THE
DISK VOLUME OF A STORAGE SYSTEM



DECISION OF A "USED VOLUME" AND AN "UNUSED VOLUME"
AFTER 6 MONTHS ELAPSE
A TOTAL CHARGED VOLUME FOR THE NEXT 6 MONTHS IS
A+B USED VOLUME+
(B'S UNUSED VOLUME \times CHARGING PERCENTAGE $\beta\%$)

FIG. 7

FLOWCHART OF A CHARGING METHOD TO THE DISK VOLUME OF A STORAGE SYSTEM

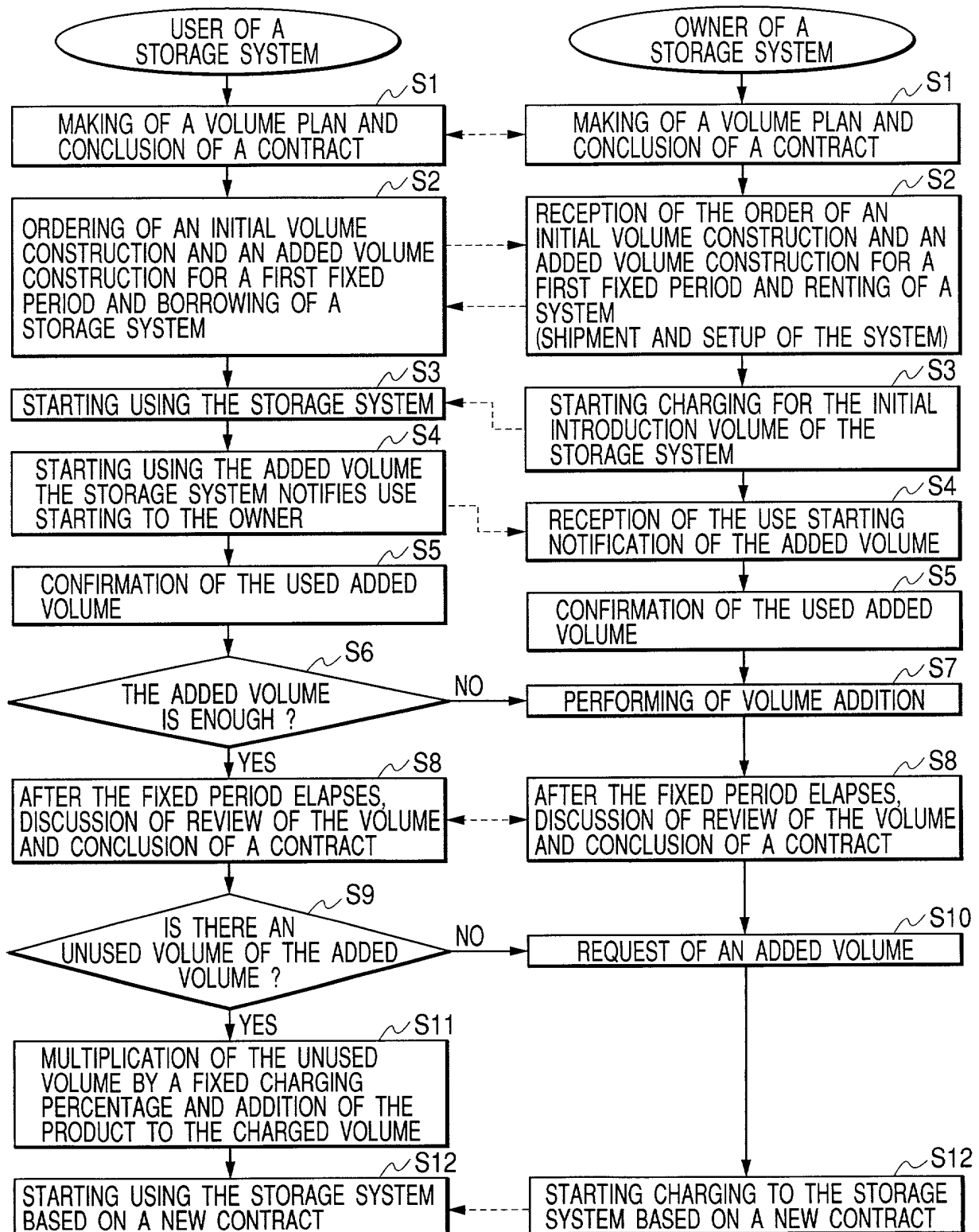


FIG. 8

TIME REQUIRED FOR VOLUME ADDITION TO A
STORAGE SYSTEM

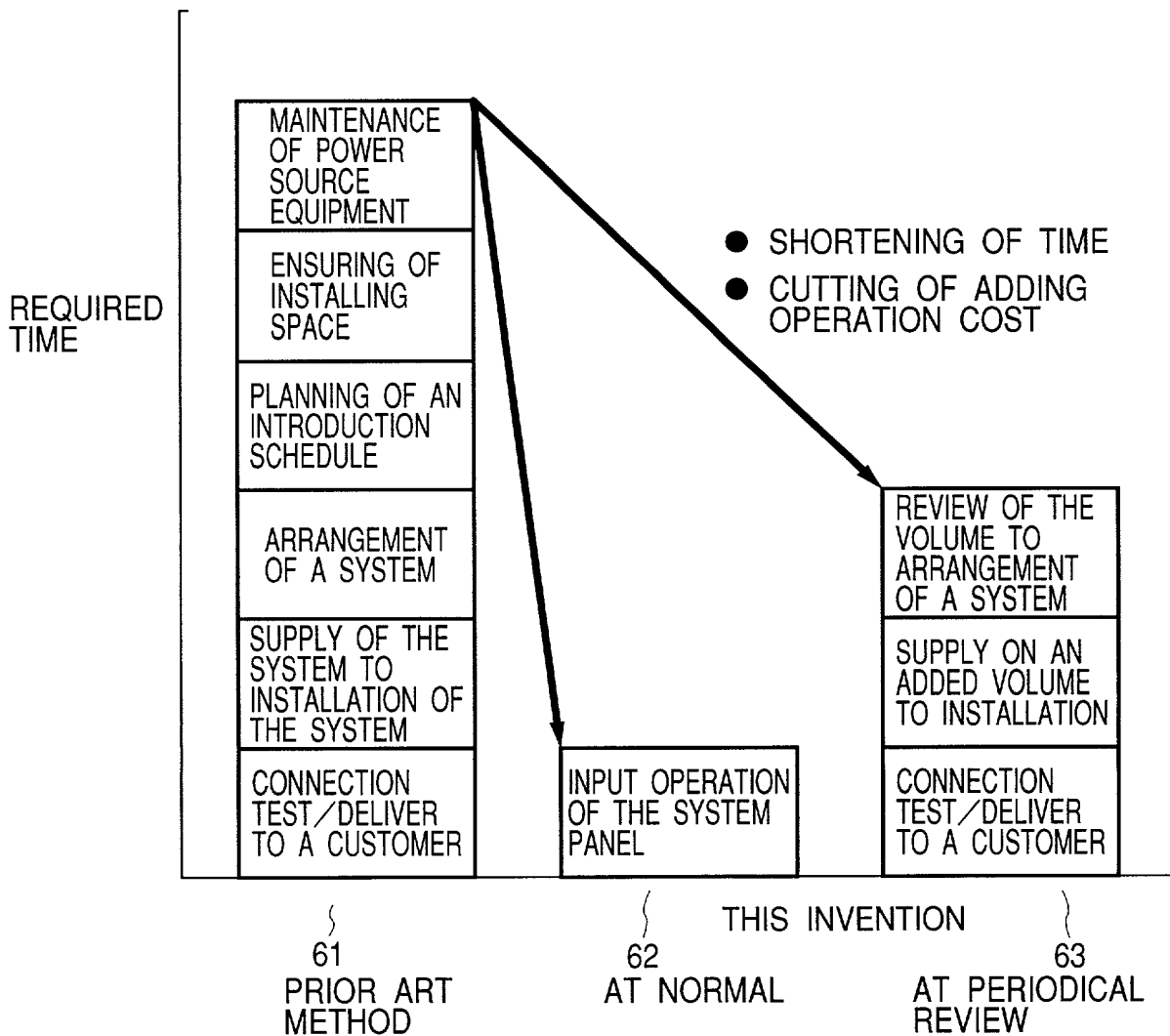


FIG. 9

INITIAL INVESTED VOLUMES TO A STORAGE SYSTEM

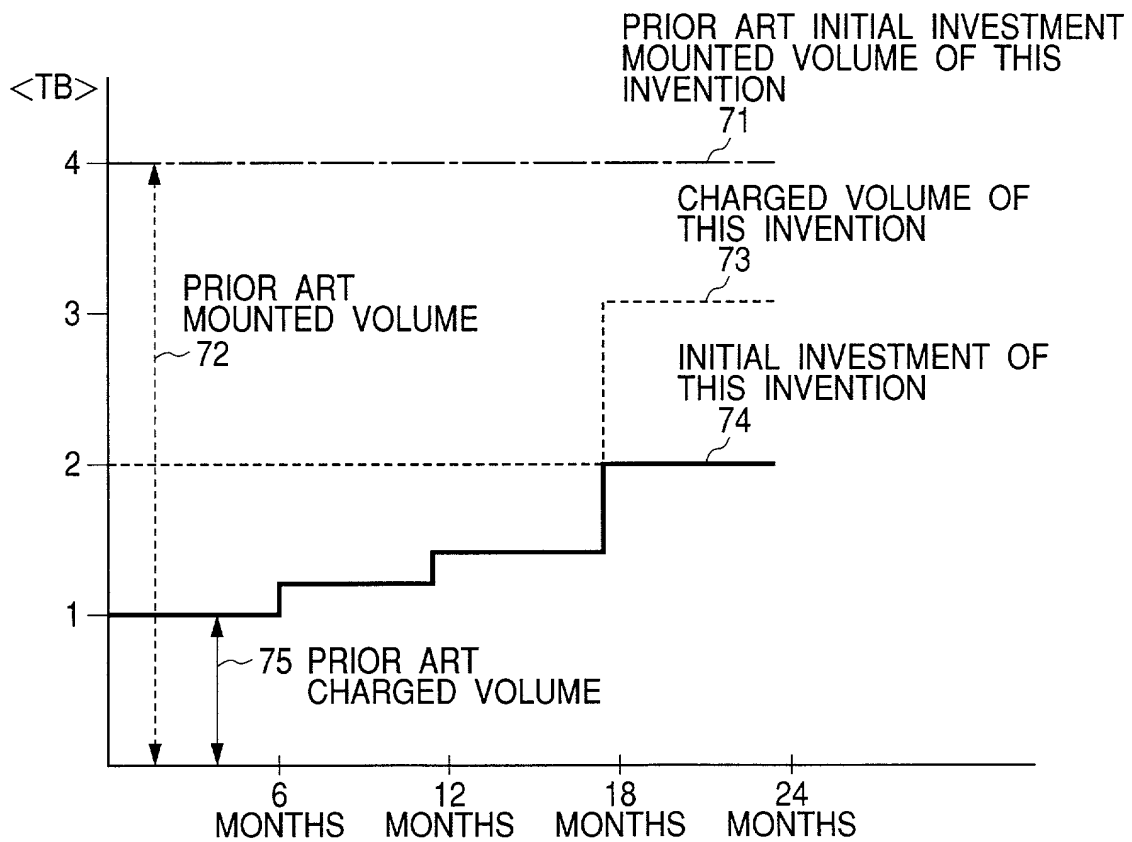
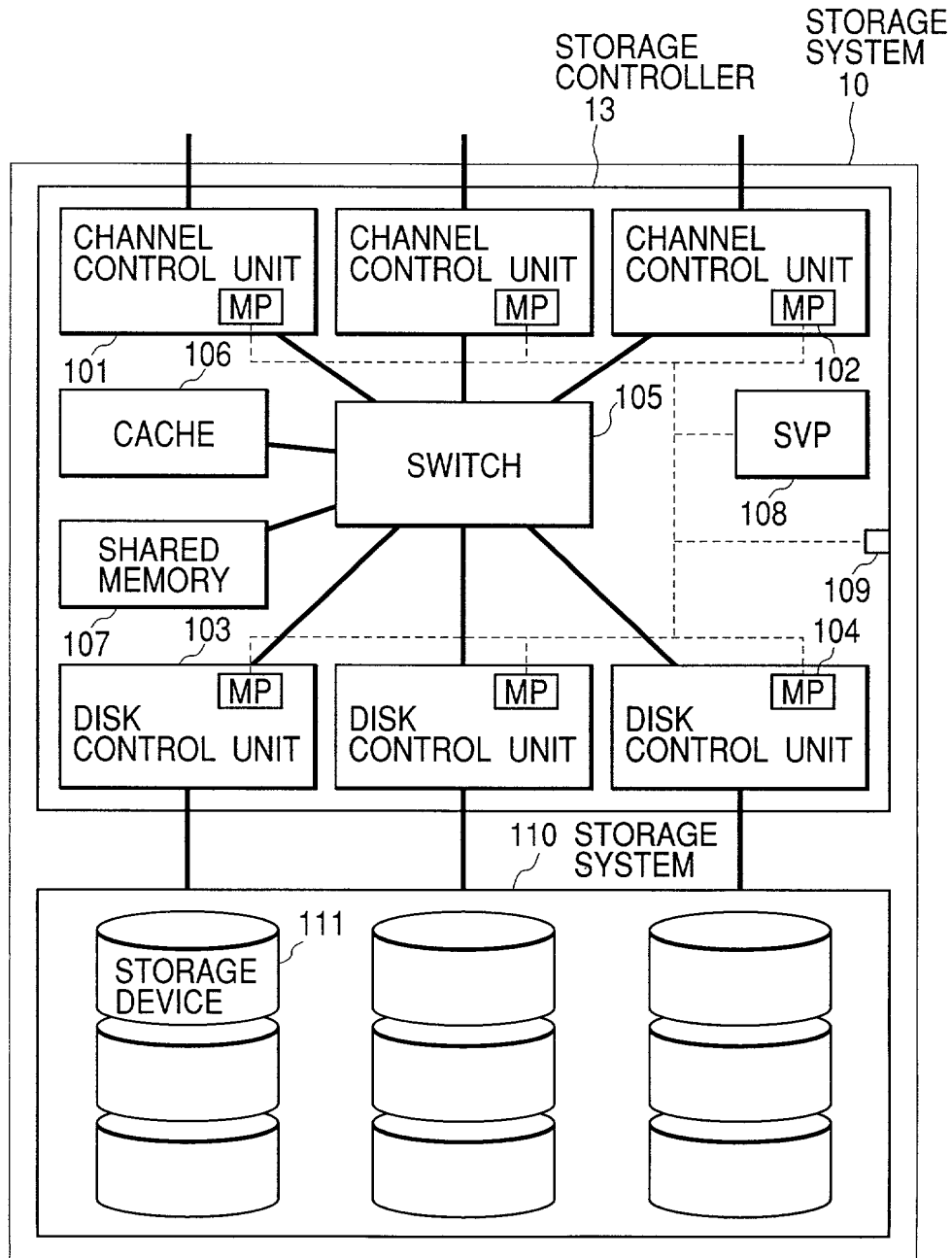


FIG. 10



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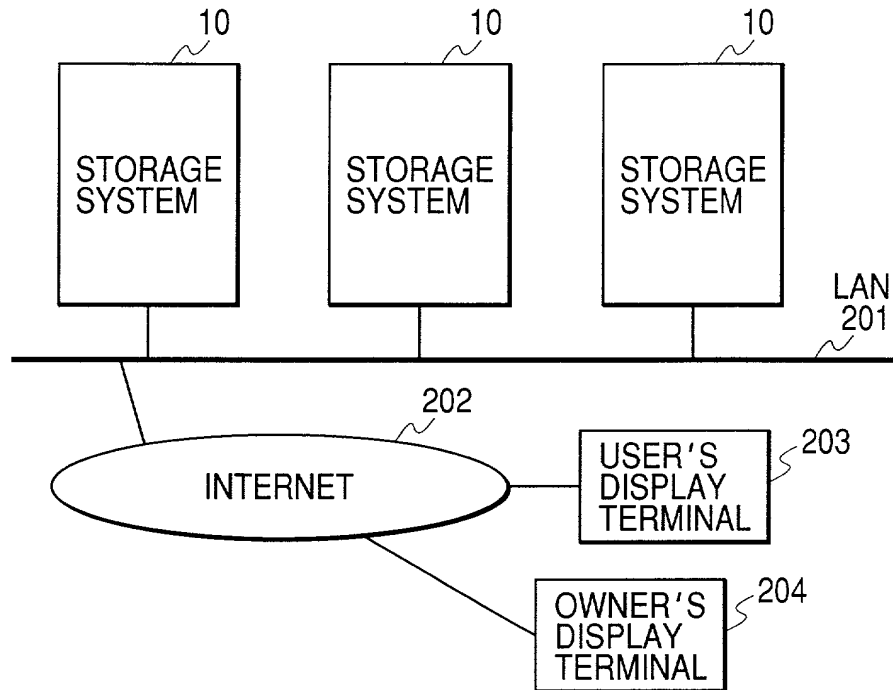
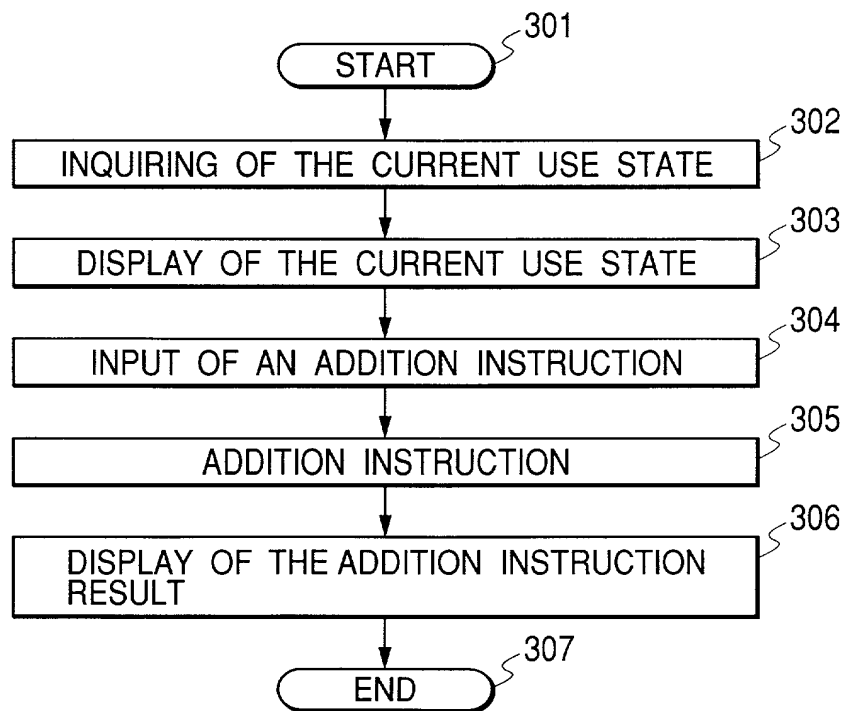
FIG. 11**FIG. 12**

FIG. 13

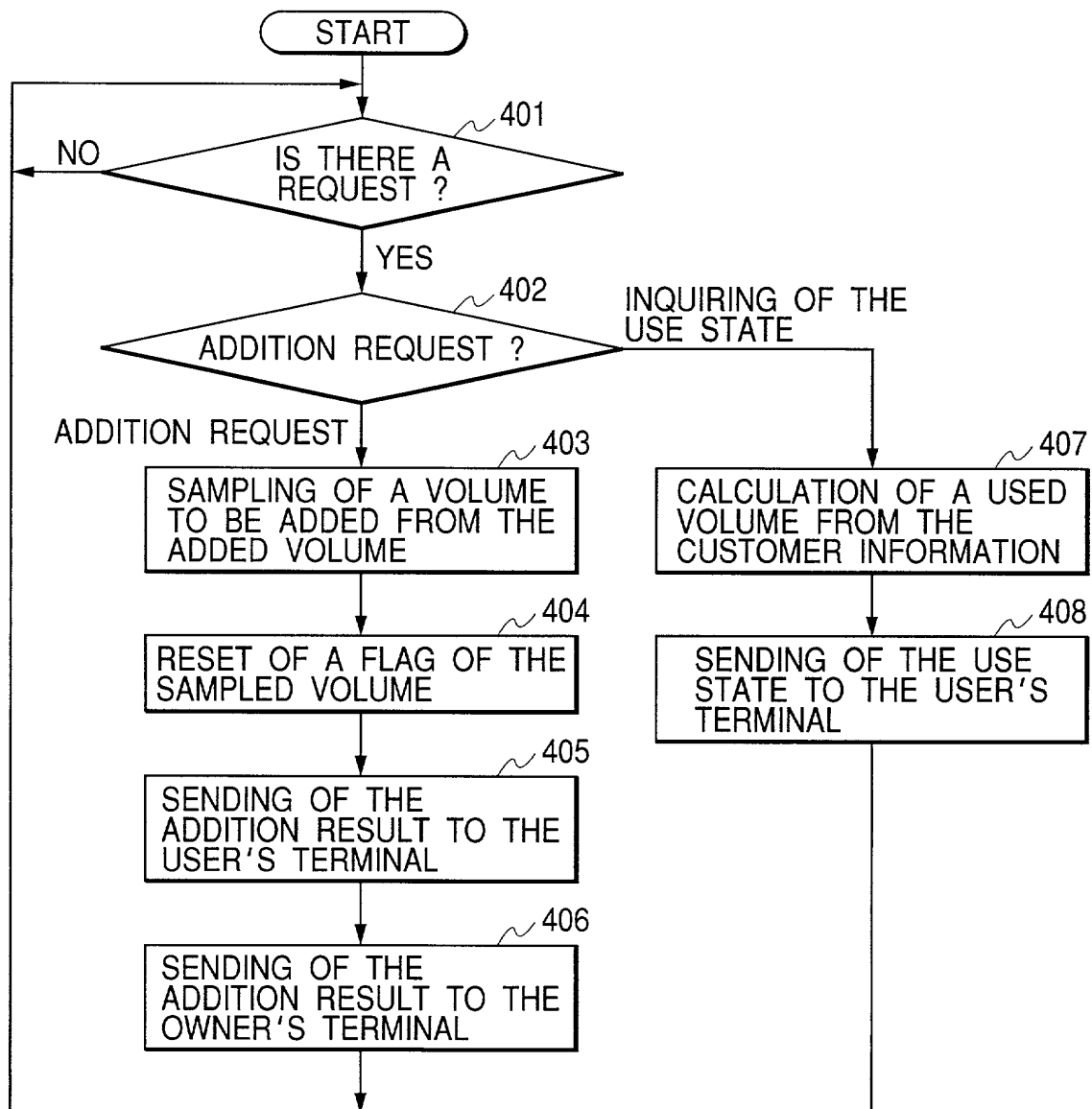


FIG. 14

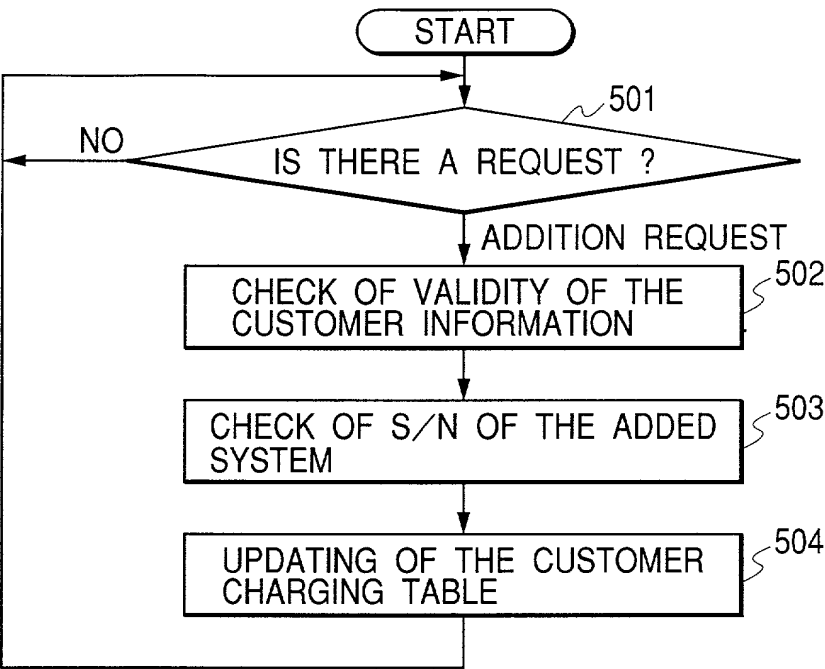


FIG. 15

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN			
STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN			
INPUT THE FOLLOWING TO SELECT THE BUTTON			
PRODUCT TYPE NAME	STORAGE-TYPE A	601	INQUIRE ... 604
PRODUCTION NUMBER	34QS1234567890	602	
USER SUPPORT ID	34QS1625345	603	
			END

FIG. 16

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN

USE STATE	PRODUCT TYPE NAME PRODUCTION NUMBER USER SUPPORT ID	STORAGE-TYPE A 34QS1234567890 34QS1625345	ADD ...
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BASIC VOLUME
BASIC VOLUME UNIT COST
EXCESSIVE USED VOLUME
EXCESSIVE USE UNIT COST
UNUSED VOLUME
UNUSED UNIT COST
CONTRACT PERIOD
MOUNTED VOLUME

100GB
¥100/MB
30GB
¥250/MB
70GB
¥50/MB
2000.01.01—2002.12.31
5000GB

END

701703702

FIG. 17

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN

ADDITION	PRODUCT TYPE NAME PRODUCTION NUMBER USER SUPPORT ID	STORAGE-TYPE A 34QS1234567890 34QS1625345
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ADDITION — BASIC VOLUME

300GB

APPLY

CANCEL

801802803